

AMENDMENT AND RESPONSE

Serial Number: 09/002,584

Filing Date: January 5, 1998

Title: SYSTEM FOR SCHEDULED CACHING OF IN-BAND DATA SERVICES

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instructing tuning circuitry to tune to the schedule channel at approximately the schedule time;
receiving the in-band data broadcast in the schedule channel regardless of the presence of a user; and
storing the in-band data on mass storage for subsequent retrieval and viewing or use by a user.

Sub C3

15. (Amended) A computer-readable medium having computer-executable instructions stored thereon for performing steps comprising:
determining a schedule for the in-band data broadcast, wherein the schedule comprises a time and a channel, said determination being initiated by a user;
instructing tuning circuitry to tune to the schedule channel at approximately the schedule time;
receiving the in-band data broadcast in the schedule channel regardless of the presence of the user; and
storing the in-band data on mass storage for subsequent retrieval and viewing or use by the user.

a3

16. (Amended) A digital processing system comprising:
a processor having real time clock circuitry;
tuning circuitry for tuning and receiving broadcast transmissions, the tuning circuitry communicatively coupled to the processor;
a computer-readable medium communicatively coupled to the central processor; and
a scheduled caching program executed from the computer-readable medium by the processor, wherein the scheduled caching program initiated by a user causes the real-time clock circuitry to schedule a subsequent execution of the scheduled caching program at approximately a scheduled time and the subsequent execution of the scheduled caching program, regardless of the presence of the user, instructs the tuning circuitry to tune to a channel, receives in-band data from the tuning circuitry, and stores the in-band data for subsequent processing for subsequent retrieval and viewing or use by the user.

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Sub C4
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21. (Amended) A computerized-system for scheduled caching of in-band data broadcast in a channel comprising:

a real-time scheduling process; and

a user-initiated scheduling process having means for determining a scheduled time and channel for an in-band data broadcast, and for invoking the real-time scheduling process to schedule execution of a caching process at approximately the scheduled time, wherein the caching process has means for instructing tuner circuitry to tune to the scheduled channel regardless of the presence of a user, for receiving the in-band data from the tuning circuitry, and for storing the in-band data for subsequent processing.

Sub C5
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25. (Amended) An information handling system comprising:

a tuner tunable to a plurality of channels; and

a scheduler configured to determine a scheduled time and a scheduled channel from the plurality of channels for receiving information associated with the scheduled channel, the operation of said scheduler being initiated by a user,

wherein the tuner tunes to the scheduled channel at approximately the scheduled time, regardless of the presence of the user, to receive the information associated with the channel.

Sub C6
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32. (Amended) A computer-readable medium having computer-executable instructions stored thereon for performing steps comprising:

determining a scheduled time and a scheduled channel to receive information associated with the scheduled channel, said determination being initiated by a user; and

instructing a tuner to tune to the scheduled channel at approximately the scheduled time to receive the information associated with the scheduled channel, regardless of the presence of the user, and store the information associated with the channel for subsequent processing, whereby the information may subsequently be retrieved and viewed or used by the user.

Sub C7
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36. (Amended) A method for handling information comprising the steps of:

determining a scheduled time and a scheduled channel to receive information associated with the scheduled channel, said determination being initiated by a user; and